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Therrien, Charles W.

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RESUME OF CHARLES W. THERRIEN

Charles W. Therrien is a Professor in Electrical and Computer Engineering at the Naval Postgraduate School where he is conducting research in signal processing and image processing. Recent research topics have included detection and classification of underwater low level acoustic signals, high resolution array and matched field processing, video image processing, multi-dimensional spectrum estimation, and target classification by distributed sensors. He has a broad background in stochastic processes and systems and has lectured and published several papers in these areas. As a professor at the Naval Postgraduate School he teaches courses in digital signal processing and computers. He is the author of a book entitled Decision, Estimation and Classification, (Wiley 1989) and he is currently preparing a book on statistical signal processing to be published by Prentice-Hall (1991).



Before joining the Naval Postgraduate School, Dr. Therrien was a member of the technical staff at M.I.T. Lincoln Laboratory where he studied image analysis procedures from a signal processing viewpoint and developed several practical algorithms for the analysis of aerial photographic data.

In addition to his interests in signals and systems, Dr. Therrien has a strong background in computer applications. Beginning with his Master's thesis - CIRCAL, one of the first online interactive systems for circuit design (1965) - and continuing with subsequent design and management roles at Applicon Inc., (1960-70), and M.I.T.'s Project Intrex (1970-73), he has maintained a strong interest in computer systems, applications, and programming languages. His interests include the use of microprocessors and special architectures for image processing and multidimensional signal processing.

Dr. Therrien received the B.S., S.M., and Ph.D., in Electrical Engineering from M.I.T. in 1964, 1965, and 1969. His doctoral dissertation was on the computational aspects of Kron's method of tearing for networks. Dr. Therrien is married with two children and resides at Monterey, Ca.